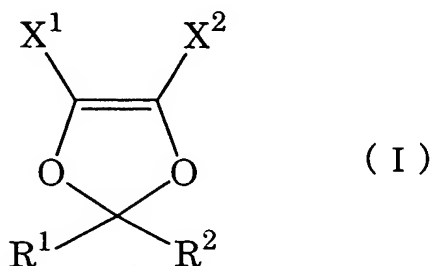


ABSTRACT

This invention provides a cyclic ether copolymer such as a cyclic ether copolymer excellent in solubility in solvents and easy to form uniform thin films therefrom. The present invention relates to a cyclic ether copolymer obtained from a 1,3-dioxole ring structure-containing compound represented by the following general formula (I) and an ethylenically unsaturated monomer:



(wherein R^1 and R^2 are the same or different and each represents F, H, Cl or a perfluoroalkyl group containing 1 to 5 carbon atoms and X^1 and X^2 are the same or different and each represents F, H, Cl or $-OR^3$, and R^3 represents a perfluoroalkyl group containing 1 to 5 carbon atoms, provided that at least one of R^1 and R^2 is F or a perfluoroalkyl group containing 1 to 5 carbon atoms), which copolymer has a glass transition point of 100 to 135°C and an intrinsic viscosity of 0.01 to 0.4 dl/g as determined at 35°C in perfluoro-2-butyltetrahydrofuran.